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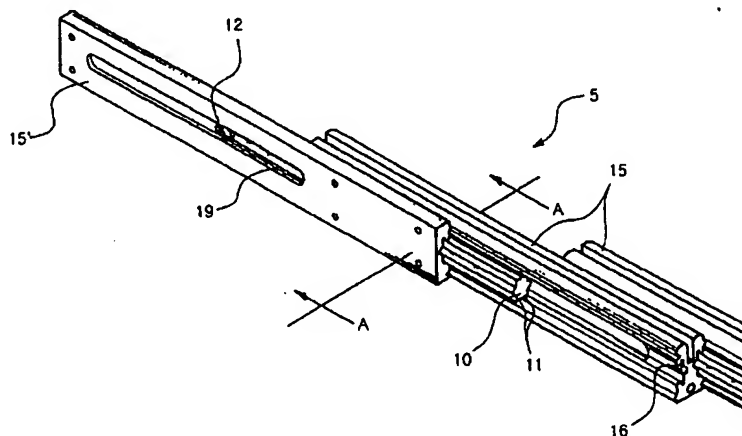
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(54) Sliding door

(57) A sliding door is disclosed. The sliding door has one or more door panels (2, 3, 4), and a sliding means being mounted to the door panels and allowing the door panels to slide. In the sliding means, a bracket (15') has a longitudinal stopper guide slot (19) and a guide groove (10). One or more sliding bars (15) individually have a longitudinal stopper guide slot (19) and a guide groove (16). One or more sliders (10) are inserted into the guide

grooves, thus sliding within the guide grooves. Each slider has stoppers (12) disposed within the stopper guide slots. With such a sliding door configuration, an entrance through the opened sliding door is widened relative to known sliding doors, mass production of the door parts and installation of a sliding door becomes relatively easy, and walking and carrying baggage beyond the door are not impeded by door frames.

Fig 3



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DE 38 11 694 A (ARTWEGER GES M B H) 19 October 1989 (1989-10-19)	1,8	E05D15/06 A47K3/30
Y	* column 1, line 37 - column 2, line 7; figures 1-6 *	2-7,9	A47K3/34
Y	DE 29 11 967 A (HUEPPE DUSCHA GMBH) 9 October 1980 (1980-10-09) * page 12, paragraph 2 * * page 13, paragraph 1 * * page 15, paragraph 2; figures 3-5,7,8 *	2-4,6,7,9	
Y	GB 1 521 830 A (GUENTER & CO ONI METALL) 16 August 1978 (1978-08-16) * page 2, line 86 - line 89; figures 2,3 *	5	
D,A	US 4 635 699 A (KAUFFMAN JAMES C ET AL) 13 January 1987 (1987-01-13) * column 4, line 20 - line 54; figures 1-3 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A47K E05D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 May 2001	Examiner Guillaume, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 30 7143

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The members are as contained in the European Patent Office EDP file on
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11-05-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3811694 A	19-10-1989	NONE	
DE 2911967 A	09-10-1980	NONE	
GB 1521830 A	16-08-1978	DE 2555755 A	23-06-1977
		AT 365732 B	10-02-1982
		AT 862376 A	15-06-1981
		BE 848925 A	16-03-1977
		CH 612724 A	15-08-1979
		FR 2334331 A	08-07-1977
		IT 1069920 B	25-03-1985
		SE 421442 B	21-12-1981
		SE 7613958 A	12-06-1977
US 4635699 A	13-01-1987	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82